

N.C.D.O.T. GEOTECHNICAL UNIT BORING LOG

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OF TRAM			***********			015-			GEOLOGIST G.I	iovan/P Weaver
PROJECT NO. 33296.1.1					DUNTY Guilford				GEOLOGIST G.I	
ITE DESCRIPT	TION	Bridge			er Lake Higgins/Brush Creek on SR 2124					GROUND WATER (ft)
BORING NO.	B1-A		ВО	RING LOCATION 13+29		ET 20f1			ALIGNMENT -L-	0 HR. NA
COLLAR ELEV.	. 760.	5 ft	NORTI	HING 874733.45	EASTI	NG 17	73419	7.13		24 HR. NA
TOTAL DEPTH	63.4	ft	DRILL	MACHINE CME 45 SKID DRILL	METH	OD Was	sh Rot	ary/N	NQ Core HAMM	ER TYPE 140 lb Manu
DATE STARTE	D 5/2	25/05		COMPLETED 5/26/05	SURF	ACE W	ATER	DEP.	TH 4.5ft	
ELEV. DEPTH	BLC	ow cou	JNT	BLOWS PER FOOT		SAMP.	V /	D	SOIL AND ROCK	DESCRIPTION
(ft) (ft)	0.5ft	0.5ft	0.5ft	0 20 40 60 80	100	NO.	MOI	G		
765.0				Water Surface						
-									-	
‡									-	
759.5 + 1.0				Mud Line		<u> </u>			- 760.5 - ALLUVIAL: Very Soft to	o Medium Stiff, Grey,
Ī	WOH	WOH	WOH	•woH · · · · · · · · · · · · · · · · · · ·			SAT		 Organics (Decayed Pla 	Sandy SILT with Trace nt Material) and with
757.0 3.5	2	1	1	2			SAT		Large Wood Fragments	s from 7.2ft to 7.5ft
754.5 + 6.0	WOH	3	1				SAT		<u> </u>	
752.0 8.5						SS-6	SAT	000	752.0 ALLUVIAL: Loose to D	lense: Red. Grev and
‡	6	4	4			33-0	SAI	000	Brown; Silty; Fine to Co Gravel and a Trace Ord	parse SAND with a Little
								000	_ Material) and Mica	ganics (Decayed Flant
747.0 13.5	3	3	3				w	000	- Note: Blow Count at 2	3.5ft Influenced by
+								000	— Gravel	
742.0 18.5								000	_	
	4	7	7	14			W	000	_	
Ŧ								0000	_	
737.0 23.5	6	16	21				w	000	- - 735.5	
‡		"						ăăă	 RESIDUAL: Very Den 	se; Black, White and
732.0 28.5									Tan; Silty; Fine to Coar of Rock Fragments and	d Mica
102.0	29	26	32			SS-7	w		-	
‡									-	
727.0 33.5	30	58	42/.3	l					726.5	Black, White and Tan;
‡	50		427.0		. 100/.8			3	-724.1 METAMORPHOSED (GRANITIC ROCK
722.1 38.4									RESIDUAL: Very Den Tan; Silty; Fine to Coa	se; Black, White and rse SAND with Trace
+	25	17	34	7			М		Mica —719.5	
Ŧ								2	- WEATHERED ROCK:	Grey, White and hered; Very Soft to Soft;
717.1 43.4	60/.1	-			60/.1			7	717.1 Brown; Severely Weat METAMORPHOSED (715.5 Very Close to Close Fr	GRANITIC ROCK with
Ŧ					:::1			T	-714.5 CRYSTALLINE ROCK	: White to Tan, Black
Ŧ						RS-1			and Grey; Slightly Wea	GRANITIC ROCK with
Ŧ								(i)	Very Close to Close Fr WEATHERED ROCK:	Grey, White and
Ŧ								11	Brown; Severely Weat METAMORPHOSED	hered; Medium Hard; GRANITIC ROCK with
Ŧ									- 706.5 Very Close Fracture S	pacing
‡								17	and Grey; Very Slightly Hard to Very Hard; ME	/ Weathered to Fresh;
‡								11	GRANITIC ROCK with WEATHERED ROCK:	Wide Fracture Spacing
‡								[//	[↑] METAMORPHOSED (Output Description of the latest text of t	GRANITIC ROCK
<u> </u>								11	with a Little Pink; Very	: White, Black and Grey Slightly Weathered to
1	 	 			· · · ·			 	697.1 Fresh; Hard to Very Hard	ard:
‡									Moderately Close to W Boring Terminated at I	/ide Fracture Spacing
‡										: METAMORPHOSED
±									- GRANITIO ROOK	



CORE BORING REPORT

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OF TR	A."										FAGE 1 01 1
PROJE	CT NO.	3	3296.1.	1		ID No.		B-384	18	CO	OUNTY Guilford GEOLOGIST G.Licayan/P.Weaver
SITE DE	SCRIPT	ION	Bridge	No. 10	2 Over	Lake Hig	gins/Bi	rush C	reek	on S	SR 2124 GROUND WATER (ft)
BORING		B1-A				OCATIO		+29			OFFSET 20ft LT ALIGNMENT -L- 0 HR. NA
	R ELEV.		1.5 ft	NORTI	HING	874733.	45			$\neg \uparrow$	EASTING 1734197.13 24 HR. NA
						IINE CME)	DE	211 1 1	METHOD Wash Rotary/NQ Core HAMMER TYPE 140 lb Manual
	DEPTH			DIVILL		COMPLE.					SURFACE WATER DEPTH 4.5ft
	TARTE		/25/05								DRILLER R.Toothman
CORE	SIZE N	Q		Т Б	UN	TOTAL R	STR		L		DRILLER 10.1000mman
ELEV. (ft)	DEPTH (ft)	RUN (ft)	DRILL RATE (Min/ft)	REC.	RQD (ft) %	SAMP. NO.	REC. (ft) %	RQD (ft) %	O G		DESCRIPTION AND REMARKS
											Begin Coring @ 34.8 ft
725.7	34.8	3.6	:10/0.6	(0.7)	(NA)		(0.0)	(NA)	2	725	5.7 Core Loss in WEATHERED ROCK: Black, White and Tan; Severely 34.8
725.7	54.0		:19	19%			(0.0)	(NA)		724	4.1 Weathered METAMORPHOSED GRANITIC ROCK RESIDUAL: Very Dense; Black White and Tan; Silty; Fine to Coarse SAND
722.1	38.4		:35	_}	 	-	0%			E	with Trace Mica
720.6	39.9	3.5	N=51 :17/0.5	(0.0)	(NA)		_			-719	9.5 WEATHERED ROCK: Grey, White and Brown, Severely Weathered; Very Soft
7.7.	40.4		:35 :45	0%			(0.7)	(NA)	弘	717	
717.1 717.0	43.4 43.5	4.9	:38	_ (4.1)	(2.4)		(1.5)	(0.0)	17	715	Fracture Spacing 45.0
			N=60/. 2:35/0.9	84%	49%		94%	0% (NA)	河	-714	4.5 loints at 0 Degrees to 10 Degrees
712.1	48.4		2:50			RS-1	10% (8.0)	(8.0) 100%	11	E	CRYSTALLINE ROCK: White to Tan, Black and Grey; Slightly Weathered; Hard; METAMORPHOSED GRANITIC ROCK with Very Close Fracture
		4.5	4:30 6:00	(4.5) 100%	(4.5) 100%		100%		(1)	Ł	Spacing Spacing Application of the Comment of the C
\			6:55						11	t	5 Joints at 0 Degrees to 10 Degrees 3 Joints at 30 Degrees
707.6			10:20 12:45	(0.5)		, 			[//	706	6.5 WEATHERED ROCK: Grey, White and Brown; Severely Weathered; Medium Hard; METAMORPHOSED GRANITIC ROCK with Very Close Fracture 55.5
		5.0	23:00		6/\ <u>100%</u>	6	(0.0)	(NA)	到	70	05.0 Spacing
			41:10/0 7:15		70%	5	(7.9) 100%	(7.6) 96%		‡	CRYSTALLINE ROCK: White to Tan, Black and Grey; Very Slightly Weathered to Fresh; Hard to Very Hard; METAMORPHOSED GRANITIC ROCK with Wide
702.1	58.4	5.0	5:30	(4.9)			100%		(1)	‡	Fracture Spacing
			7:45 7:45	98%	94%				11	+	No Natural Fractures Core Loss in WEATHERED ROCK: METAMORPHOSED GRANITIC ROCK
697.1	63.4		9:40 9:00 12:15 12:05							69	ORYSTALLINE ROCK: White, Black and Grey with a Little Pink; Very Slightly Weathered to Fresh; Hard to Very Hard; METAMORPHOSED GRANITIC ROCK with Moderately Close to Wide Fracture Spacing
			13:40)							Last 0.9ft has Close Fracture Spacing with 2 Joints at 0 Degrees Boring Terminated at Elevation 697.1ft in CRYSTALLINE ROCK: METAMORPHOSED GRANITIC ROCK
										-	Note: Run #4 Stopped at 4.5ft Due to Recovery of 0.5ft of Core Not Recovered from Run #3 (Barrel Full)
										E	Note: Run #5 Only 0.5ft in Length in Order to Complete Run #4 and to Check Bit
										F	
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NCDOT CORE SINGLE 07105012C.GPJ NC_DOT.GDT 6/9/05						,				F	
CDC											